

# Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein

Catalog No.: RP00473BLQ Recombinant

# **Sequence Information**

SpeciesGene IDSwiss ProtHuman2215075015

Tags C-His&Avi

**Synonyms** 

CD16; Fc gamma RIIIB; FCG3; FCGR3B; FcgRIIIB; FCRIIIB; IGFR3; CD16b (NA2); CD16B; FCG3B; FCG3; FCGR3; FCR-10

### **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as determined by SDS-PAGE; $\geq$  95 % as

HPLC.

determined by

Calculated MW Observed MW

23.81 kDa 43-53 kDa

**Endotoxin** 

< 1 EU/ $\mu g$  of the protein by LAL method.

**Formulation** 

Supplied as 0.22  $\mu m$  filtered solution in PBS (pH 7.4).

Reconstitution

#### **Contact**

6	400-999-6126
$\bowtie$	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

## **Background**

Human Fc gamma RIIIB/CD16b Protein is a receptor for the Fc region of immunoglobulins gamma. Low affinity receptor. Binds complexed or aggregated IgG and also monomeric IgG. Contrary to III-A, is not capable to mediate antibody-dependent cytotoxicity and phagocytosis. May serve as a trap for immune complexes in the peripheral circulation which does not activate neutrophils.

#### **Basic Information**

#### **Description**

Biotinylated Recombinant Human Fc gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly17-Ser200) of Human Fc gamma RIII beta/FCGR3B/CD16b (S36R,N82D,I106V) (Accession #075015) fused with a C-His&Avi tag at the C-terminus.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

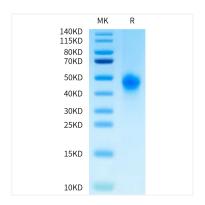
#### **Storage**

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

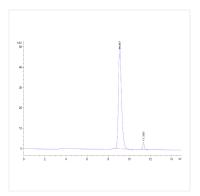
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

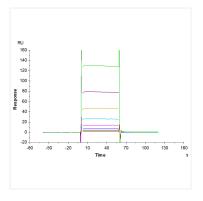
# **Validation Data**



Biotinylated Recombinant Human Fc-gamma RIII beta/FCGR3B/CD16b (S36R, N82D, I106V) Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Fc gamma RIIIB (NA1) is greater than 95% as determined by SEC-HPLC.



Biotinylated Human Fc gamma RIIIB (NA1), His Tag captured on CM5 Chip via anti-his antibody can bind Rituximab with an affinity constant of  $8.00\ \mu\text{M}$  as determined in SPR assay (Biacore T200).